

ABSTRACT

[0040] An optical transmission system (200) includes a set of spans (220 – 245), an optical transmitter (205) and a monitor unit (280). Each span of the set of spans includes a link and at least one repeater (215). The optical transmitter (205) transmits optical signals over the set of spans (220 – 245) according to a first launch power profile. The monitor unit (280) determines power-related parameters over a subset (220 – 230) of the set of spans. The optical transmitter further transmits optical signals according to a second launch power profile based on the determined power-related parameters.